

CLAIMS

What is claimed is:

1 1. A sealing arrangement for an oscillating motor, the sealing
2 arrangement comprising:

3 a shaft;

4 a housing which supports the motor shaft with freedom to rotate, the
5 housing and the motor shaft forming at least one working chamber filled with pressure
6 medium, the housing having a sealing groove with a radially extending sidewall and a
7 radially inward facing base;

8 a seal comprising a one part sealing body received in the groove, the
9 sealing body having one side resting against the base and another side resting against
10 the shaft; and

11 an anti-rotation device which prevents the sealing body from rotating with
12 respect to the housing.

1 2. A sealing arrangement as in claim 1 further comprising a tension
2 ring pretensioning the sealing body against the base of the groove.

1 3. A sealing arrangement as in claim 2 wherein the tension ring
2 extends around an angle of over 360 degrees.

1 4. A sealing arrangement as in claim 2 wherein the sealing body has a
2 surface which extends at an angle intermediate the sidewall and the base of the groove,
3 the tension ring acting on the surface of the sealing body.

1 5. A sealing arrangement as in claim 4 further comprising a support
2 ring on the surface of the sealing body, the tension ring resting on the support ring.

1 6. A sealing arrangement as in claim 1 wherein the anti-rotation
2 device comprises:

3 a stop profile in the sealing groove; and
4 an area of increasing diameter of the sealing body, the area of increased
5 diameter cooperating with the stop profile to prevent the sealing body from rotating with
6 respect to the housing.

1 7. A sealing arrangement as in claim 6 wherein the stop profile
2 comprises a radial pocket in the base of the sealing groove.

1 8. A sealing arrangement as in claim 6 wherein the sealing body has
2 an area of increased diameter which is circumferentially limited.

1 9. A sealing arrangement as in claim 8 wherein the sidewall has a
2 recess to allow passage of the area of increased diameter.